



Grant All-Detail Report

Septic Treatment Systems Upgrade - NRBG 2018

Grant Title - 2018 - Septic Treatment Systems Upgrade - NRBG (Chisago County)

Grant ID - P18-7398

Organization - Chisago County

Original Awarded Amount	\$25,931.00	Grant Execution Date	12/1/2017
Required Match Amount	\$0.00	Original Grant End Date	12/31/2020
Required Match %	0%	Grant Day To Day Contact	Jerry Spetzman
Current Awarded Amount	\$25,931.00	Current End Date	12/31/2020

Budget Summary

	Budgeted	Spent	Balance Remaining*
Total Grant Amount	\$25,931.00	\$20,931.00	\$5,000.00
Total Match Amount	\$0.00	\$0.00	\$0.00
Total Other Funds	\$0.00	\$0.00	\$0.00
Total	\$25,931.00	\$20,931.00	\$5,000.00

*Grant balance remaining is the difference between the Awarded Amount and the Spent Amount. Other values compare budgeted and spent amounts.

Budget Details

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
02.01146.00	Subsurface Sewage Treatment Systems	Current State Grant	2018 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$5,000.00	\$5,000.00	9/12/2018	N

Activity Name	Activity Category	Source Type	Source Description	Budgeted	Spent	Last Transaction Date	Matching Fund
06.00382.00A	Subsurface Sewage Treatment Systems	Current State Grant	2018 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$3,500.00	\$3,500.00	7/6/2018	N
08.00170.00	Subsurface Sewage Treatment Systems	Current State Grant	2018 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$5,000.00			N
14.00466.00	Subsurface Sewage Treatment Systems	Current State Grant	2018 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$5,000.00	\$5,000.00	12/4/2018	N
21.10150.00	Subsurface Sewage Treatment Systems	Current State Grant	2018 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$5,000.00	\$5,000.00	8/21/2018	N
Admin	Administration /Coordination	Current State Grant	2018 - Septic Treatment Systems Upgrade - NRBG (Chisago Coun..	\$2,431.00	\$2,431.00	1/22/2019	N

Activity Details Summary

Activity Details	Total Action Count	Total Activity Mapped	Proposed Size / Unit	Actual Size / Unit
126M - Septic System Improvement	5		50 LINEAR FEET	50 LINEAR FEET

Proposed Activity Indicators

Activity Name	Indicator Name	Value & Units	Waterbody	Calculation Tool	Comments
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Final Indicators Summary

Indicator Name	Total Value	Unit
BOD 5	1,959.00	LBS/YR
Total Suspended Solids (TSS)	1,084.00	Mg/L
NITROGEN	158.00	LBS/YR
PHOSPHORUS (EST. REDUCTION)	50.00	LBS/YR

Grant Activity

Grant Activity - 02.01146.00			
Description	Install new septic system		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	13-Aug-18	End Date	17-Aug-18
Has Rates and Hours?	No		
Actual Results	Installed a new septic system		

Activity Action - 02.01146.00			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	Installed a new septic system		
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	17-Aug-18
Mapped Activities	No		

Final Indicator for 02.01146.00			
Indicator Name	Total Suspended Solids (TSS)	Value	255
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Chisago Lakes		
Final Indicator for 02.01146.00			
Indicator Name	NITROGEN	Value	33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	RUSLE2 (UPDATED)

Waterbody	Chisago Lakes		
Final Indicator for 02.01146.00			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Chisago Lakes		
Final Indicator for 02.01146.00			
Indicator Name	BOD 5	Value	461
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Chisago Lakes		

Grant Activity - 06.00382.00A			
Description	Install a new septic system		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	21-May-18	End Date	30-May-18
Has Rates and Hours?	No		
Actual Results	Installed a new septic system		

Activity Action - 06.00382.00			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	New septic system		
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	30-May-18
Mapped Activities	No		

Final Indicator for 06.00382.00			
Indicator Name	NITROGEN	Value	26
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	West Rush Lake		
Final Indicator for 06.00382.00			
Indicator Name	BOD 5	Value	115
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement

			Estimator (SSIE)
Waterbody	West Rush Lake		
Final Indicator for 06.00382.00			
Indicator Name	Total Suspended Solids (TSS)	Value	64
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	West Rush Lake		
Final Indicator for 06.00382.00			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	6
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	WEst Rush Lake		

Grant Activity - 08.00170.00			
Description	Install new septic system		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Activity Action - 08.00170.00			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	new septic system		
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	
Mapped Activities	No		

Final Indicator for 08.00170.00			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Colby Lake		
Final Indicator for 08.00170.00			
Indicator Name	Total Suspended Solids (TSS)	Value	255

Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Colby Lake		
Final Indicator for 08.00170.00			
Indicator Name	BOD 5	Value	461
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Colby Lake		
Final Indicator for 08.00170.00			
Indicator Name	NITROGEN	Value	33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Colby Lake		

Grant Activity - 14.00466.00			
Description	Install a new septic system		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	30-Oct-18	End Date	03-Dec-18
Has Rates and Hours?	No		
Actual Results	Installed a new septic system		

Activity Action - 14.00466.00			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	new septic system		
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	3-Dec-18
Mapped Activities	No		

Final Indicator for 14.00466.00			
Indicator Name	BOD 5	Value	461
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Goose Creek		

Final Indicator for 14.00466.00			
Indicator Name	Total Suspended Solids (TSS)	Value	255
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Goose Creek		
Final Indicator for 14.00466.00			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Goose Creek		
Final Indicator for 14.00466.00			
Indicator Name	NITROGEN	Value	33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Goose Creek		

Grant Activity - 21.10150.00			
Description	Install a new septic system		
Category	SUBSURFACE SEWAGE TREATMENT SYSTEMS		
Start Date	27-Jul-18	End Date	17-Aug-18
Has Rates and Hours?	No		
Actual Results	Installed a new septic system		

Activity Action - 21.10150.00			
Practice	126M - Septic System Improvement	Count of Activities	1
Description	new septic system		
Proposed Size / Units	50.00 LINEAR FEET	Lifespan	30 Years
Actual Size/Units	50.00 LINEAR FEET	Installed Date	21-Aug-18
Mapped Activities	No		

Final Indicator for 21.10150.00			
Indicator Name	Total Suspended Solids (TSS)	Value	255
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) Mg/L	Calculation Tool	Septic System Improvement Estimator (SSIE)

Waterbody	Sam Lake		
Final Indicator for 21.10150.00			
Indicator Name	BOD 5	Value	461
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Sam Lake		
Final Indicator for 21.10150.00			
Indicator Name	NITROGEN	Value	33
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Sam Lake		
Final Indicator for 21.10150.00			
Indicator Name	PHOSPHORUS (EST. REDUCTION)	Value	11
Indicator Subcategory/Units	WATER POLLUTION (REDUCTION ESTIMATES) LBS/YR	Calculation Tool	Septic System Improvement Estimator (SSIE)
Waterbody	Sam Lake		

Grant Activity - Admin			
Description	Administer, approve and issue grant funds. Write year end reports.		
Category	ADMINISTRATION/COORDINATION		
Start Date		End Date	
Has Rates and Hours?	No		
Actual Results			

Grant Attachments

Document Name	Document Type	Description
2018/2019 Natural Resources Block Grant	Grant Agreement	2018/2019 Natural Resources Block Grant - Chisago County
2018/2019 Natural Resources Block Grant executed	Grant Agreement	2018/2019 Natural Resources Block Grant - Chisago County
All Details Report	Workflow Generated	Workflow Generated - All Details Report - 01/16/2019